

CLAIMS

1. A communications device comprising a rf circuit and an antenna (16), wherein the rf circuit includes coupling means for connecting the rf circuit to the antenna, the coupling means comprising an electrically conductive, self supporting member (18) having at least one feed pillar (24, 26) and a shorting pillar (22), the pillars being substantially permanently connected to respective contact points of the rf circuit, and an antenna interface (28) forming a pressure connection with the antenna.

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2. A device as claimed in claim 1, wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member (18) has two feed pillars (24, 26) disposed one on either side of the shorting pillar (22).

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3. A device as claimed in claim 1 or 2, characterised in that the self supporting member (18) is metallic.

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4. A device as claimed in claim 1 or 2, characterised in that the self supporting member (18) comprises a metallised insulating material.

5. A device as claimed in claim 1 or 2, characterised in that the self supporting member (18) comprises a metallised insulating material having at least one embedded capacitor (36).

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6. A device as claimed in any one of claims 1 to 5, characterised in that the antenna (16) is a PIFA.

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7. A rf module comprising a supporting member (14) having rf circuit components thereon and coupling means for connecting an rf output to an antenna (16), the coupling means comprising an electrically conductive, self supporting member(18) having at least one feed pillar (24, 26) and a

shorting pillar (22), the pillars (22, 24, 26) being substantially permanently connected to respective contact points of the rf circuit, and an antenna interface (28) for coupling to the antenna.

5 8. A module as claimed in claim 7, wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member (18) has two feed pillars (24, 26) disposed one on either side of the shorting pillar (22).

10 9. A module as claimed in claim 7 or 8, characterised in that the self supporting member (18) is metallic.

10. A module as claimed in claim 7 or 8, characterised in that the self supporting member (18) comprises a metallised insulating material.

15 11. A module as claimed in claim 7 or 8, characterised in that the self supporting member (18) comprises a metallised insulating material having at least one embedded capacitor (36).

20 12. An antenna comprising a signal propagating and/or receiving element (16) having at least one rf feed termination (26) and a shorting termination (26), and an electrically conductive, self supporting element (18) having at least one feed pillar (24, 26) and a shorting pillar (22) to be substantially permanently connected to respective contact points of an rf circuit, and an antenna interface (28) providing a pressure connection with the at least one rf feed termination and the shorting termination.